

My Schedule

Monday, 11 December 2023


08:30 - 12:50

08:30 - 12:50

08:30 - 12:50

GC11F

Ecosystem Science Opportunities in the Golden Age of Synthetic Aperture Radar (SAR) Poster


 Poster Hall A-C - South (Exhibition Level, South, MC)

08:30 - 12:50

08:30 - 12:50

GC11F-0889

On the synergy of the NASA GEDI and NASA/ISRO NISAR missions for monitoring ecosystem structure and biomass *John David Armston* (Invited)


 Poster Hall A-C - South (Exhibition Level, South, MC)

08:30 - 12:50

08:30 - 12:50

GC11F-0893

Forest biomass and soil moisture estimation using multi-temporal SAR data over the great slave lake region *Narayanarao Bhogapurapu*


 Poster Hall A-C - South (Exhibition Level, South, MC)

08:30 - 12:50

08:30 - 12:50

GC11F-0899

SMAPVEX19-22: Overview of soil, plant and surface hydrology and their impacts on L-band radar signals *Simon Kraatz*


 Poster Hall A-C - South (Exhibition Level, South, MC)

08:30 - 12:50

08:30 - 12:50

GC11F-0900

Surface Roughness in Temperate Forest: Lessons from SMAPVEX19-22 *Victoria A Walker*


 Poster Hall A-C - South (Exhibition Level, South, MC)

08:30 - 12:50

08:30 - 12:50

H11I-1376

Vegetation Corrections for the Time-Series Ratio Soil Moisture Retrieval Algorithm for the NISAR Mission *Jeonghwan Park*


 Poster Hall A-C - South (Exhibition Level, South, MC)

09:15 - 09:25

09:15 - 09:25**09:15 - 09:25**

GC11A-05


Remote Sensing Approaches for Monitoring Perennial Crops and Promote Low-Carbon Agriculture: An Example from Para State, Brazil *Naiara Pinto* (Invited)

 2008 - West (Level 2, West, MC)

14:10 - 18:30**14:10 - 18:30****14:10 - 18:30**

EP13F-1827


Comparison of Models to Predict Boreal Forest Aboveground Biomass from Radar Tomography
KC Cushman

 Poster Hall A-C - South (Exhibition Level, South, MC)

14:10 - 18:30**14:10 - 18:30**

EP13F-1828


Fourier and Legendre Extraction of Forest Aboveground Biomass from TomoSAR Profiles
Robert N Treuhaft

 Poster Hall A-C - South (Exhibition Level, South, MC)

14:10 - 18:30**14:10 - 18:30**

EP13F-1831


QUAKES-I Airborne Spatial and Temporal Topography and Analysis for Achieving Surface Topography and Vegetation (STV) Goals *Ryan Applegate*

 Poster Hall A-C - South (Exhibition Level, South, MC)

14:10 - 18:30**14:10 - 18:30**

H13M-1620


Analysis of SMAPVEX19-22 Data over Forested Areas Using Electromagnetic Models Based on 3D Full-wave Solutions of Maxwell Equations *Leung Tsang*

 Poster Hall A-C - South (Exhibition Level, South, MC)

14:10 - 18:30**14:10 - 18:30**

NH13D-0722


Multifrequency InSAR and Climate Data Reveal Controls on Landslide Dynamics *Brandon Voelker*

 Poster Hall A-C - South (Exhibition Level, South, MC)


14:42 - 14:52**14:42 - 14:52****14:42 - 14:52**

B13B-04

Using airborne InSAR to map channel networks and overbank flow in coastal wetlands

Bhuvan Kumar Varugu 3009 - West (Level 3, West, MC)**16:20 - 16:30****16:20 - 16:30****16:20 - 16:30**


H14C-03

Multi-scale algorithm for high-resolution soil moisture retrievals with uncertainty estimation for the upcoming NISAR mission *Preet Lal* 3012 - West (Level 3, West, MC)

Tuesday, 12 December 2023

08:30 - 12:50**08:30 - 12:50****08:30 - 12:50**


H21U Remote Sensing, Modeling, and Data Assimilation of the Terrestrial Water Cycle I Poster

 Poster Hall A-C - South (Exhibition Level, South, MC)**08:40 - 08:50****08:40 - 08:50****08:40 - 08:50**

G21A-02

A Robust PS-SBAS Processing Strategy for Interpreting InSAR Observations Over Densely Vegetated, Decorrelated Terrain *Molly Zebker* 158 - South (Upper Mezzanine, South, MC)**11:20 - 11:30****11:20 - 11:30****11:20 - 11:30**

B22D-07

The potential of multi-temporal and multi-frequency SAR data in characterizing regional soil organic carbon distribution in Alaska *Yonghong Yi* 3006 - West (Level 3, West, MC)**11:20 - 11:30****11:20 - 11:30**

G22A-07

Structure, Deformation and Rheology of the Urban Hayward Fault: Where the Fault Meets the Road *Eric Jameson Fielding*


 158 - South (Upper Mezzanine, South, MC)

14:10 - 15:40

14:10 - 15:40

14:10 - 15:40

H23F Remote Sensing, Modeling, and Data Assimilation of the Terrestrial Water Cycle II Oral

 3018 - West (Level 3, West, MC)

Wednesday, 13 December 2023


08:30 - 12:50

08:30 - 12:50

08:30 - 12:50

B31L-2235

L-Band SAR Fuel Products for the Wildfire Cycle in Conjunction with FASMEE Prescribed Burn Campaigns *Karen An*

 Poster Hall A-C - South (Exhibition Level, South, MC)


09:00 - 09:10

09:00 - 09:10

09:00 - 09:10

EP31B-04

Coupling numerical models of deltaic wetlands with AirSWOT, UAVSAR, and AVIRIS-NG remote sensing data *Luca Cortese*

 2002 - West (Level 2, West, MC)


09:40 - 09:50

09:40 - 09:50

09:40 - 09:50

B31B-08

From Field to Air: Integrating Field Data in Support of the ABoVE Airborne Campaign *Miles Moore*

 3006 - West (Level 3, West, MC)


10:50 - 11:00

10:50 - 11:00

10:50 - 11:00

NS32A-03


Ups and Downs of Beverly Hills, California – Analysis of Surface Deformation Derived From InSAR:1992 to 2023 *Yujie Zheng*

 2018 - West (Level 2, West, MC)

11:15 - 11:25**11:15 - 11:25****11:15 - 11:25**

H32B-06


Monitoring Groundwater Recharge in California's San Joaquin Valley through the Integration of Satellite and Airborne Observations *Rosemary J Knight*

 3020 - West (Level 3, West, MC)

14:10 - 18:30**14:10 - 18:30****14:10 - 18:30**

EP33D-2148


The influence of seasonal variations in river flow on tidal propagation and water circulation in the Mississippi Delta *Antoine Soloy*

 Poster Hall A-C - South (Exhibition Level, South, MC)

Thursday, 14 December 2023**14:10 - 18:30****14:10 - 18:30****14:10 - 18:30**

H43N-2271


Fusing SWOT, NISAR, and GEDI for Vegetation Water and Soil Moisture Profiles *Jessica V Fayne*

 Poster Hall A-C - South (Exhibition Level, South, MC)

14:30 - 14:40**14:30 - 14:40****14:30 - 14:40**

C43B-03


Evaluating L-band InSAR SWE Retrievals with Ground-Penetrating Radar and Terrestrial Lidar
Randall Bonnell

 2004 - West (Level 2, West, MC)

15:20 - 15:30**15:20 - 15:30****15:20 - 15:30**

C43B-08

Comparing multisensor optical-radar approaches for snow water equivalent retrievals
Jack Tarricone

 2004 - West (Level 2, West, MC)

Friday, 15 December 2023


08:30 - 12:50

08:30 - 12:50

08:30 - 12:50

C51G-1023

Machine Learning-Based Snow Density Estimation using Quad-pol L-band Radar Backscatter: A Multi-Regional Study with Diverse Topographic Conditions *Ahmad Hojatimalekshah*


 Poster Hall A-C - South (Exhibition Level, South, MC)

08:30 - 12:50

08:30 - 12:50

GC51R-0876

Burn Severity Mapping with L-Band UAVSAR and NISAR Simulated Products *Annemarie Peacock*

 Poster Hall A-C - South (Exhibition Level, South, MC)


08:30 - 12:50

08:30 - 12:50

NH51C-0469

Wet Troposphere Identification on L-band InSAR Measurements: Implications for NISAR

Talib Oliver-Cabrera


 Poster Hall A-C - South (Exhibition Level, South, MC)

08:30 - 12:50

08:30 - 12:50

NH51C-0470

Synthetic Aperture Radar Applications for Wildfire Risk Assessment and Monitoring *Dustin Horton*

 Poster Hall A-C - South (Exhibition Level, South, MC)


08:30 - 12:50

08:30 - 12:50

NH51C-0472

Using UAVSAR data and pixel offset tracking to quantify rock glacier kinematics in the semi-arid

Andes Sam Neitlich

 Poster Hall A-C - South (Exhibition Level, South, MC)


09:49 - 10:00

09:49 - 10:00

09:49 - 10:00

NH51A-08

L-band InSAR snow estimation over a prairie snowpack: leveraging NASA SnowEx and UAVSAR to prepare for NISAR *Ross Palomaki*


 2010 - West (Level 2, West, MC)

16:03 - 16:06

16:03 - 16:06**16:03 - 16:06**

B54E-02

Computational Radar and Ecological Models to Map Soil Organic Carbon Profile in Permafrost
Active Layer Soil *Kazem Bakian Dogaheh*

 *eLightning Theater III, Hall D - South (Exhibition Level, South, MC)*